

**PAPER COPY OF SEQUENCE LISTING
AND DISK COPY**

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Srivastava, Arun

(ii) TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY

(iii) NUMBER OF SEQUENCES: 2

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Scully, Scott, Murphy Presser

(B) STREET: 400 Garden City Plaza

(C) CITY: Garden City

(D) STATE: New York

(E) COUNTRY: USA

(F) ZIP: 11530

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release q.0, Version q.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:

(B) FILING DATE:

(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: McNulty, William E.

(B) REGISTRATION NUMBER: 22,606

(C) REFERENCE/DOCKET NUMBER: 8361

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (516) 742-4343

(B) TELEFAX: (516) 742-4366

(C) TELEX: 230 901 SANS UR

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 145 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

TTGGCCACTC CCTCTCTGCG CGCTCGCTCG CTCACTGAGG CCGGGCGACC AAAGGTCGCC	60
CGACGCCCCG GCTTTGCCCC GGCGGCCTCA GTGAGCGAGC GAGCGCGCAG AGAGGGAGTG	120
GCCAACTCCA TCACTAGGGG TTCCT	145

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 225 base pairs

(B) TYPE: nucleic acid

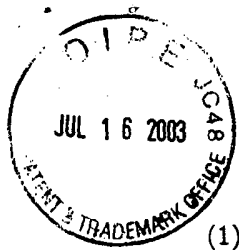
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

TTTTAGCGGG CTTTTTTCCC GCCTTATGCA AATGGGCAGC CATTTTAAGT GTTTTACTAT	60
AATTTTATTG GTTAGTTTTG TAACGGTTAA AATGGGCGGA GCGTAGGCGG GGA CTACAGT	120
ATATATAGCA CGGTACTGCC GCAGCTCTTT CTTTCTGGGC TGCTTTTTTC TGGACTTTCT	180
TGCTGTTTTT TGTGAGCTAA CTAACAGGTA TTTATACTAC TTGTT	225



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 - (A) NAME: McNulty, William E.
 - (B) REGISTRATION NUMBER: 22,606
 - (C) REFERENCE/DOCKET NUMBER: 8361
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 - (A) TELEPHONE: (516) 742-4343
 - (B) TELEFAX: (516) 742-4366
 - (C) TELEX: 230 901 SANS UR

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
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 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

TTGGCCACTC	CCTCTCTGCG	CGCTCGCTCG	CTCACTGAGG	CCGGGCGACC	AAAGGTCGCC	60
CGACGCCCCG	GCTTTGCCCC	GGCGGCCTCA	GTGAGCGAGC	GAGCGCGCAG	AGAGGGAGTG	120
GCCAACTCCA	TCTAGGGG	TTCCT				145

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 225 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

TTTtagcggg	cttttttccc	gccttatgca	aatgggcagc	cattttaagt	gttttactat	60
aattttattg	gttagttttg	taacggttaa	aatgggcgga	gcgtaggCGG	ggactacagt	120
atatatagca	cggtactgcc	gcagctcttt	ctttctgggc	tgctttttcc	tggactttct	180
tgctgttttt	tgtgagctaa	ctaacaggta	tttatactac	ttgTT		225